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BARLEY VARIETIES 92



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Released: July 27, 1992

In 1992, Montana farmers planted 1.35 million acres of barley, 25 percent below 1991, and 32 percent less than the average of the last 10 years.

Hector, down 30 percent in planted acreage, remains the leading barley variety. A feed type variety, it has been number one for the past 11 years. Coming in at a close second is Harrington. This malting type barley decreased 32 percent from last year. Together, these two varieties account for almost half of the total seeded acres in the state.

MALTING TYPE BARLEY VARIETIES

Varieties grown in Montana and recommended by the American Malting Barley Association for malting and brewing accounted for 383,200 acres or 28 percent of the total. This is a decrease of 10 percent from last year.

Harrington, planted on 23 percent of the total barley acreage, remains the leading malting type variety. More than 83 percent of the Harrington is grown in the northcentral district. Harrington was released by the University of Saskatchewan and was developed from the cross Klages/SK.

Morex declined 52 percent from last year but remains in second place. Over half of the Morex grown is located in the northcentral area of the state. Morex is a midwestern six-rowed variety.

Moravian III, the third most prevalent malting barley, is down 15 percent from 1991. It accounts for 7 percent of the total malting type varieties planted. Moravian III is a two-rowed variety.

FEED TYPE VARIETIES

Hector is the first place feed type variety with 24 percent of the state total. Five out of the seven districts in Montana have Hector in the top two varieties planted. It is the most important variety in eastern Montana. Hector is a high yielding two-rowed variety from Lethbridge, Canada with good test weight and good lodging resistance.

Pirolina acreage increased slightly, accounting for 127,100 acres. It remains in second place among feed type barleys although prior to 1992 its percent of the planted acres had been decreasing since 1985. Pirolina is a two-rowed variety, relatively strong strawed with medium yield ability and good test weight.

Gallatin once again claims third position among feed varieties and totaled 106,600 acres. It increased 5 percent over last year's acreage. The largest share of Gallatin was planted in the northcentral region of the state. Since 1987, Gallatin has experienced a gradual increase in its percent of the total barley acres seeded each year.

This Barley Variety Survey was funded by the American Malting Barley Association, Inc. and the Montana Wheat & Barley Committee. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

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MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS—1991 REVISED

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	--	--	159.2	18.4	163.3	54.4	97.1	30.4	0.4	0.5	19.7	18.4	24.7	37.5	464.4	25.8
Harrington	2.3	3.8	349.5	40.4	13.2	4.4	81.2	25.4	--	--	9.9	9.2	--	--	456.1	25.3
Piroline	0.7	1.2	83.9	9.7	9.6	3.2	24.3	7.6	--	--	1.8	1.7	5.3	8.1	125.6	7.0
Gallatin	14.3	23.7	24.2	2.8	1.2	0.4	37.1	11.6	13.6	16.7	5.2	4.8	5.7	8.7	101.3	5.6
Morex	3.1	5.1	41.5	4.8	3.6	1.2	8.0	2.5	17.4	21.3	10.0	9.3	--	--	83.6	4.6
Bowman	--	--	2.6	0.3	53.4	17.8	0.3	0.1	--	--	8.5	7.9	12.4	18.8	77.2	4.3
Clark	4.1	6.9	5.2	0.6	18.9	6.3	26.2	8.2	12.1	14.8	4.0	3.7	3.2	4.8	73.7	4.1
AB Varieties*	--	--	66.6	7.7	--	--	--	--	--	--	3.9	3.6	--	--	70.5	3.9
Klages	0.5	0.9	42.4	4.9	0.3	0.1	9.3	2.9	6.1	7.4	0.2	0.2	--	--	58.8	3.3
Lewis	4.1	6.9	14.7	1.7	5.7	1.9	22.0	6.9	4.2	5.1	2.4	2.2	--	--	53.1	3.0
Horsford	4.3	7.2	3.5	0.4	1.5	0.5	3.5	1.1	13.0	15.9	9.6	9.0	5.0	7.6	40.4	2.2
Menuet	20.2	33.5	0.9	0.1	4.2	1.4	--	--	5.5	6.7	0.4	0.4	--	--	31.2	1.7
Moravian III	M	--	13.8	1.6	--	--	--	--	--	--	16.0	14.9	--	--	29.8	1.7
Kimberly	--	--	21.7	2.5	--	--	--	--	--	--	--	--	--	--	21.7	1.2
Unitan	0.3	0.5	--	--	10.2	3.4	0.3	0.1	1.0	1.2	0.6	0.6	0.5	0.7	12.9	0.7
Russell	M	1.9	5.2	0.6	--	--	1.1	0.4	--	--	--	--	--	--	8.2	0.5
Waxbar	--	--	2.6	0.3	--	--	--	--	1.6	1.9	--	--	--	--	4.2	0.2
Bearpaw	--	--	3.5	0.4	--	--	--	--	0.2	0.2	--	--	--	--	3.7	0.2
Compana	--	--	--	--	0.6	0.2	--	--	--	--	1.3	1.2	1.1	1.7	3.0	0.2
Betzes	--	--	--	--	--	--	--	--	--	--	2.8	2.6	--	--	2.8	0.2
Other and Unknown	4.3	7.2	24.2	2.8	14.4	4.8	9.1	2.8	6.8	8.3	11.0	10.3	8.0	12.1	77.8	4.3
ALL VARIETIES	60.1	100.0	865.2	100.0	300.1	100.0	319.5	100.0	81.9	100.0	107.3	100.0	65.9	100.0	1800.0	100.0

M — American Malting Barley Association, Inc. recommended for malting and brewing for Montana
* — includes varieties recommended for malting and brewing for Montana

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS-1992 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	0.1	0.3	108.5	17.8	88.1	42.0	86.9	33.4	2.3	3.8	21.7	20.7	19.6	28.4	327.2	24.2
Harrington	0.7	1.9	258.6	42.4	0.2	0.1	50.7	19.5	--	--	0.9	0.9	--	--	311.1	23.0
Piroline	--	--	62.1	10.2	2.2	1.0	47.3	18.2	1.2	2.0	6.7	6.4	7.6	11.0	127.1	9.4
Gallatin	11.4	31.6	34.5	5.7	1.4	0.7	22.8	8.8	13.3	22.2	14.1	13.4	9.1	13.2	106.6	7.9
Bowman	--	--	6.6	1.1	63.6	30.3	6.1	2.3	--	--	13.2	12.6	14.6	21.2	104.1	7.7
AB Varieties*	--	--	60.9	10.0	1.5	0.7	13.1	5.0	--	--	5.7	5.4	--	--	81.2	6.0
Morex	--	--	24.7	4.0	0.8	0.4	2.3	0.9	5.0	8.3	7.2	6.8	--	--	40.0	3.0
Clark	0.7	2.0	1.4	0.2	11.7	5.6	6.0	2.3	6.9	11.5	6.6	6.3	--	--	33.3	2.5
Lewis	3.4	9.3	7.9	1.3	5.8	2.8	5.0	1.9	5.5	9.2	--	--	0.7	1.0	28.3	2.1
Moravian III	--	--	11.2	1.8	--	--	--	--	--	--	14.0	13.3	--	--	25.2	1.9
Horsford	1.3	3.5	1.4	0.2	9.1	4.3	2.2	0.9	0.7	1.2	2.2	2.1	2.5	3.6	19.4	1.4
Menuet	9.5	26.5	1.6	0.3	0.5	0.2	--	--	4.3	7.2	0.3	0.3	--	--	16.2	1.2
Bearpaw	--	--	5.3	0.9	--	--	3.9	1.5	1.1	1.8	--	--	--	--	10.3	0.8
WestBred Medallion	--	--	--	--	0.9	0.4	1.5	0.6	4.2	7.0	0.6	0.6	--	--	7.2	0.5
Steptoe	0.7	2.0	0.3	--	1.7	0.8	--	--	--	--	--	--	2.1	3.0	4.8	0.4
Kimberly	--	--	4.0	0.7	0.6	0.3	--	--	--	--	--	--	--	--	4.6	0.3
Summit	--	--	2.3	0.4	--	--	2.2	0.9	--	--	--	--	--	--	4.5	0.3
Klages	--	--	1.5	0.2	--	--	1.3	0.5	--	--	1.1	1.0	--	--	3.9	0.3
Sprinter	1.6	4.6	--	--	1.3	0.6	0.6	0.2	--	--	--	--	--	--	3.5	0.3
Unitan	0.2	0.5	--	--	--	--	0.2	0.1	0.8	1.3	--	--	1.9	2.8	3.1	0.2
Other and Unknown	6.4	17.8	17.2	2.8	20.6	9.8	7.9	3.0	14.7	24.5	10.7	10.2	10.9	15.8	88.4	6.6
ALL VARIETIES	36.0	100.0	610.0	100.0	210.0	100.0	260.0	100.0	60.0	100.0	105.0	100.0	69.0	100.0	1350.0	100.0

M - American Malting Barley Association, Inc. recommended for malting and brewing for Montana
* - includes varieties recommended for malting and brewing for Montana

MONTANA BARLEY VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1987-1992 & SEEDED ACREAGE 1991-92

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Hector	31.9	31.8	29.8	22.9	25.8	24.2	464.4	327.2
Harrington	9.4	10.5	15.6	22.7	25.3	23.0	456.1	311.1
Piroline	13.0	11.3	7.3	7.4	7.0	9.4	125.6	127.1
Gallatin	0.1	2.6	6.0	5.4	5.6	7.9	101.3	106.6
Bowman	2.9	5.1	3.0	2.7	4.3	7.7	77.2	104.1
AB Varieties	--	0.6	2.7	5.0	3.9	6.0	70.5	81.2
Morex	1.2	1.9	2.3	4.1	4.6	3.0	83.6	40.0
Clark	10.9	6.7	7.2	4.7	4.1	2.5	73.7	33.3
Lewis	1.8	3.2	2.4	2.1	3.0	2.1	53.1	28.3
Moravian III	0.5	1.0	1.2	2.5	1.7	1.9	29.8	25.2
Horsford	0.8	0.7	1.6	1.8	2.2	1.4	40.4	19.4
Menuet	2.2	1.7	1.1	1.2	1.7	1.2	31.2	16.2
Bearpaw	--	--	--	--	0.2	0.8	3.7	10.3
WestBred Medallion	--	--	--	--	0.1	0.5	1.8	7.2
Steptoe	0.3	0.2	0.1	0.1	0.1	0.4	1.8	4.8
Kimberly	2.7	2.5	2.4	1.8	1.2	0.3	21.7	4.6
Summit	0.7	1.1	0.4	0.5	--	0.3	0.7	4.5
Klages	14.6	11.0	9.8	7.2	3.3	0.3	58.8	3.9
Sprinter	--	--	--	0.4	--	0.3	--	3.5
Unitan	0.5	0.6	0.6	0.8	0.7	0.2	12.9	3.1
Other and Unknown	6.5	7.5	6.5	6.7	5.2	6.6	91.7	88.4
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	1800.0	1350.0

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Released: July 23, 1993

Montana farmers planted 1.30 million acres of barley in 1993, 4 percent below 1992, and 34 percent less than the 10-year average.

Hector remains the leading barley variety. A feed-type variety, it has been number one for the past 12 years and was planted on 22 percent of barley acres in 1993. **Harrington**, a malting-type barley, came in at a close second place. It was seeded on nearly 22 percent of the barley acres. Together, these two varieties account for 44 percent of the total barley acres seeded in Montana.

MALTING-TYPE BARLEY VARIETIES

Malting-type varieties, grown in Montana and recommended by the American Malting Barley Association for malting and brewing use, accounted for 421,700 acres, 32 percent of total barley acres. This is an 8 percent decrease from last year for these varieties.

Harrington, planted on 22 percent of the total barley acreage, remains the leading malting-type variety. More than 81 percent of the **Harrington** planted is grown in the north central district. **Harrington** was released by the University of Saskatchewan and was developed from the cross Klages/SK.

The **B1202** variety is seeded on the second largest acreage devoted to malting-type barley. This variety increased 33 percent over last year.

Morex declined 23 percent from last year and is the third most popular malting variety. More than 70 percent of **Morex** is grown in the north central area of the state. **Morex** is a midwestern six-rowed variety.

Moravian III, the fourth most prevalent malting barley, is down 10 percent from 1992. It accounts for 5 percent of the total malting-type varieties planted. **Moravian III** is a two-rowed variety.

FEED-TYPE VARIETIES

Hector maintains its first place position among feed-type varieties with 22 percent of the state total. Five out of the seven districts in Montana have **Hector** in the top two varieties planted. It is the most important variety in eastern Montana. **Hector** is a high-yielding, two-rowed variety from Lethbridge, Canada, with good test weight and good lodging resistance.

Gallatin moved into second place among feed varieties and totaled 112,800 acres. It increased 4 percent over last year's acreage. **Gallatin** showed strong increases in the central and south central regions. Since 1987, **Gallatin** has experienced a gradual increase in its percent of the total barley acres seeded each year.

Piroline acreage decreased 25 percent from 1992 to 1993 and gave up its number two place among feed varieties. **Piroline** ranks fourth among all barley varieties and third among feed varieties. **Piroline** is a two-rowed variety, relatively strong strawed with medium yield ability and good test weight.

This Barley Variety Survey was funded by the American Malting Barley Association, Inc. and the Montana Wheat & Barley Committee. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS—1992 REVISED

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	0.1	0.3	109.3	17.8	84.0	42.0	93.5	33.4	2.5	3.8	19.6	20.7	14.2	28.4	323.2	23.9
Harrington	0.9	1.9	260.9	42.4	0.2	0.1	54.6	19.5	--	--	0.9	0.9	--	--	317.3	23.5
Piroline	--	--	62.6	10.2	2.1	1.0	51.0	18.2	1.3	2.0	6.0	6.4	5.5	11.0	128.5	9.5
Gallatin	14.2	31.6	34.7	5.7	1.3	0.7	24.6	8.8	14.5	22.2	12.7	13.4	6.6	13.2	108.6	8.0
Bowman	--	--	6.6	1.1	60.6	30.3	6.6	2.3	--	--	12.0	12.6	10.6	21.2	96.4	7.1
AB Varieties*	--	--	61.4	10.0	1.4	0.7	14.1	5.0	--	--	5.2	5.4	--	--	82.1	6.1
Morex	--	--	24.9	4.0	0.8	0.4	2.5	0.9	5.4	8.3	6.5	6.8	--	--	40.2	3.0
Clark	0.9	2.0	1.4	0.2	11.1	5.6	6.4	2.3	7.4	11.5	6.0	6.3	--	--	33.3	2.5
Lewis	4.2	9.3	8.0	1.3	5.5	2.8	5.4	1.9	5.9	9.2	--	--	0.5	1.0	29.6	2.2
Moravian III	--	--	11.3	1.8	--	--	--	--	--	--	12.7	13.3	--	--	24.0	1.8
Horford	1.6	3.5	1.4	0.2	8.7	4.3	2.4	0.9	0.7	1.2	2.0	2.1	1.8	3.6	18.6	1.4
Mennet	11.9	26.5	1.6	0.3	0.5	0.2	--	--	4.6	7.2	0.3	0.3	--	--	19.0	1.4
Bearpaw	--	--	5.4	0.9	--	--	4.2	1.5	1.2	1.8	--	--	--	--	10.7	0.8
WestBred Medallion	--	--	--	--	0.9	0.4	1.6	0.6	4.6	7.0	0.5	0.6	--	--	7.5	0.6
Steptoe	0.9	2.0	0.3	--	1.6	0.8	--	--	--	--	--	--	1.5	3.0	4.3	0.3
Kimberly	--	--	4.0	0.7	0.6	0.3	--	--	--	--	--	--	--	--	4.6	0.3
Summit	--	--	2.3	0.4	--	--	2.4	0.9	--	--	--	--	--	--	4.7	0.3
Klages	--	--	1.5	0.2	--	--	1.4	0.5	--	--	1.0	1.0	--	--	3.8	0.3
Sprinter	2.0	4.6	--	--	1.2	0.6	0.6	0.2	--	--	--	--	--	--	3.9	0.3
Unitan	0.2	0.5	--	--	--	--	0.2	0.1	0.8	1.3	--	--	1.4	2.8	2.7	0.2
Other and Unknown	8.0	17.8	17.3	2.8	19.6	9.8	8.5	3.0	15.9	24.5	9.7	10.2	7.9	15.8	87.0	6.5
ALL VARIETIES	45.0	100.0	615.0	100.0	200.0	100.0	280.0	100.0	65.0	100.0	95.0	100.0	50.0	100.0	1350.0	100.0

M — American Malting Barley Association, Inc. recommended for malting and brewing for Montana
* — includes varieties recommended for malting and brewing for Montana

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS-1993 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	0.2	0.4	110.7	18.8	76.8	44.4	73.4	26.4	2.7	4.1	7.7	11.0	19.5	27.9	291.0	22.4
Harrington	1.0	1.8	230.9	39.2	0.2	0.1	48.9	17.6	--	--	--	--	2.5	3.6	283.5	21.8
Gallatin	14.2	25.8	34.2	5.8	0.2	0.1	42.3	15.2	11.0	16.9	6.4	9.1	4.5	6.4	112.8	8.7
Piroline	--	--	56.0	9.5	2.4	1.4	32.5	11.7	--	--	1.7	2.4	3.6	5.2	96.2	7.4
Bowman	--	--	8.2	1.4	51.4	29.7	8.9	3.2	--	--	8.5	12.2	16.7	23.8	93.7	7.2
B 1202	--	--	46.5	7.9	--	--	9.2	3.3	5.2	8.0	9.7	13.8	--	--	70.6	5.4
Lewis	7.1	12.9	30.0	5.1	6.7	3.9	12.8	4.6	9.0	13.9	0.6	0.8	0.8	1.1	67.0	5.2
Morex	--	--	22.4	3.8	2.4	1.4	3.3	1.2	2.2	3.4	0.6	0.8	--	--	30.9	2.4
Clark	2.5	4.5	5.9	1.0	5.7	3.3	4.2	1.5	5.8	8.9	3.1	4.4	--	--	27.2	2.1
Horsford	4.2	7.7	1.8	0.3	6.1	3.5	3.1	1.1	2.9	4.5	3.1	4.4	5.0	7.1	26.2	2.0
Moravian III	--	--	7.1	1.2	--	--	--	--	--	--	14.6	20.9	--	--	21.7	1.7
Baronaese	5.1	9.3	8.2	1.4	0.2	0.1	3.9	1.4	2.0	3.0	1.1	1.6	--	--	20.5	1.6
Westbred 501	--	--	0.6	0.1	--	--	--	--	9.5	14.6	--	--	3.5	5.0	13.6	1.0
Menuet	10.1	18.4	--	--	0.3	0.2	0.3	0.1	1.1	1.7	0.3	0.4	--	--	12.1	0.9
Klages	--	--	2.9	0.5	0.5	0.3	4.2	1.5	--	--	--	--	--	--	7.6	0.6
B 2601	--	--	3.5	0.6	--	--	3.9	1.4	--	--	--	--	--	--	7.4	0.6
Unitan	--	--	--	--	--	--	--	--	1.7	2.6	--	--	5.4	7.7	7.1	0.5
WestBred Medallion	--	--	0.6	0.1	--	--	0.8	0.3	3.6	5.6	--	--	1.5	2.2	6.5	0.5
B 1215	--	--	2.9	0.5	--	--	2.8	1.0	--	--	--	--	--	--	5.7	0.4
Summit	--	--	1.8	0.3	--	--	3.3	1.2	--	--	--	--	--	--	5.1	0.4
Other and Unknown	10.6	19.2	14.8	2.5	20.1	11.6	20.2	7.3	8.3	12.8	12.6	18.2	7.0	10.0	93.6	7.2
ALL VARIETIES	55.0	100.0	589.0	100.0	173.0	100.0	278.0	100.0	65.0	100.0	70.0	100.0	70.0	100.0	1300.0	100.0

M – American Malting Barley Association, Inc. recommended for malting and brewing for Montana

MONTANA BARLEY VARIETIES

PERCENT OF TOTAL SEEDED ACREAGE 1988-1993 & SEEDED ACREAGE 1992-93

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1992 1/	1993 2/
Hector	31.8	29.8	22.9	25.8	23.9	22.4	323.2	291.0
Harrington	10.5	15.6	22.7	25.3	23.5	21.8	317.3	283.5
Gallatin	2.6	6.0	5.4	5.6	8.0	8.7	108.6	112.8
Piroline	11.3	7.3	7.4	7.0	9.5	7.4	128.5	96.2
Bowman	5.1	3.0	2.7	4.3	7.1	7.2	96.4	93.7
B 1202	0.3	1.2	2.4	2.7	3.9	5.4	53.0	70.6
Lewis	3.2	2.4	2.1	3.0	2.2	5.2	29.6	67.0
Morex	1.9	2.3	4.1	4.6	3.0	2.4	40.2	30.9
Clark	6.7	7.2	4.7	4.1	2.5	2.1	33.3	27.2
Horsford	0.7	1.6	1.8	2.2	1.4	2.0	18.6	26.2
Moravian III	1.0	1.2	2.5	1.7	1.8	1.7	24.0	21.7
Baroneese	--	--	--	--	0.1	1.6	1.8	20.5
Westbred 501	0.3	0.2	0.4	0.1	0.1	1.0	1.3	13.6
Menuet	1.7	1.1	1.2	1.7	1.4	0.9	19.0	12.1
Klages	11.0	9.8	7.2	3.3	0.3	0.6	3.8	7.6
B 2601	--	1.4	2.1	1.3	1.4	0.6	19.0	7.4
Unitan	0.6	0.6	0.8	0.7	0.2	0.5	2.7	7.1
WestBred Medallion	--	--	0.1	0.1	0.6	0.5	7.5	6.5
B 1215	--	--	--	--	0.3	0.4	4.5	5.7
Summit	1.1	0.4	0.5	--	0.3	0.4	4.7	5.1
Other and Unknown	10.2	8.9	9.0	6.5	8.5	7.2	113.0	93.6
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	1350.0	1300.0

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BARLEY VARIETIES 1994



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Released: July 15, 1994

Montana farmers planted 1.3 million acres of barley in 1994, unchanged from a year ago, and 31 percent less than the ten-year average.

Harrington replaced Hector as the leading variety planted in Montana. Harrington, a malting-type barley, increased significantly from a year ago and now accounts for 27.5 percent of the planted acreage. Hector, a feed-type barley came in second place, it dropped a third and now accounts for 15.1 percent of the acreage. Together, these two varieties account for 42.6 percent of the total barley acres seeded in Montana.

MALTING-TYPE BARLEY VARIETIES.

Malting-type varieties, grown in Montana and recommended by the American Malting Barley Association for malting and brewing use, accounted for 474,000 acres, 36 percent of total barley acres. This is a 3 percent increase over a year ago.

Harrington, planted on 27.5 percent of the total barley acreage, remains the leading malting-type variety. More than 81 percent of the Harrington planted is grown in the north central district. Harrington, a two-rowed variety, was released by the University of Saskatchewan and was developed from the cross Klages/SK.

AB1202, planted on 3.7 percent of the total barley acreage, remains the second largest malting-type barley. However, it's acreage decreased by more than 35 percent. AB1202 is a two-rowed variety.

Morex, a midwestern six-rowed variety and planted on 1.9 percent of the barley acreage, remains in third place. It's acreage also decreased by over 21 percent.

Clark, a two-row variety, is the fourth most popular malting-type barley. Clark's acreage decreased by about 45 percent this year.

FEED-TYPE VARIETIES.

Hector maintained its first place position among feed-type varieties with 15.1 percent of the state total. It is a high-yielding, two-rowed variety from Lethbridge, Canada, with good test weight and good lodging resistance.

Gallatin remains in second place among feed varieties and accounted for 8.6 percent of the total barley acreage. Gallatin's acreage increased by slightly over 2 percent from a year ago. Gallatin, a two-row variety was developed from a cross of Summit/Hector.

Baronesse jumped into the third most popular feed-variety position. It accounts for 6.9 percent of the total barley acreage. It's acreage increased from 19,900 acres in 1993 to 90,300 acres this year. Baronesse is a two-rowed variety developed in Germany.

This Barley Variety Survey was funded by the Montana Wheat & Barley Committee and the American Malting Barley Association, Inc. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

PLEASE RETURN

James K. Sands
State Statistician

Bill Meyer
Agricultural Statistician

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS--1993 REVISED

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	0.2	0.5	113.7	18.8	82.6	44.4	69.7	26.4	2.7	4.2	9.5	11.1	14.0	28.0	292.4	22.5
Harrington	0.8	1.8	237.2	39.2	0.2	0.1	46.5	17.6	--	--	--	--	1.8	3.6	286.5	22.0
Gallatin	11.4	25.9	35.1	5.8	0.2	0.1	40.1	15.2	11.0	16.9	7.8	9.1	3.2	6.4	108.8	8.4
Piroline	--	--	57.5	9.5	2.6	1.4	30.9	11.7	--	--	2.1	2.4	2.6	5.2	95.7	7.4
Bowman	--	--	8.5	1.4	55.2	29.7	8.4	3.2	--	--	10.5	12.2	11.9	23.8	94.5	7.3
B 1202	--	--	47.8	7.9	--	--	8.7	3.3	5.2	8.0	11.9	13.9	--	--	73.6	5.7
Lewis	5.7	13.0	30.9	5.1	7.3	3.9	12.1	4.6	9.0	13.8	0.7	0.8	0.6	1.2	66.3	5.1
Morex	--	--	23.0	3.8	2.6	1.4	3.2	1.2	2.2	3.4	0.7	0.8	--	--	31.7	2.4
Clark	2.0	4.5	6.1	1.0	6.1	3.3	4.0	1.5	5.8	8.9	3.8	4.4	--	--	27.8	2.1
Horsford	3.4	7.7	1.8	0.3	6.5	3.5	2.9	1.1	2.9	4.5	3.8	4.4	3.6	7.2	24.9	1.9
Moravian III	--	--	7.3	1.2	--	--	--	0.0	--	--	18.0	20.9	--	--	25.3	1.9
Baronesse	4.1	9.3	8.5	1.4	0.2	0.1	3.7	1.4	2.0	3.1	1.4	1.6	--	--	19.9	1.5
Westbred 501	--	--	0.6	0.1	--	--	--	0.0	9.5	14.6	--	--	2.5	5.0	12.6	1.0
Menuet	8.1	18.4	--	--	0.4	0.2	0.3	0.1	1.1	1.7	0.3	0.4	--	--	10.2	0.8
Klages	--	--	3.0	0.5	0.6	0.3	4.0	1.5	--	--	--	--	--	--	7.6	0.6
B 2601	--	--	3.6	0.6	--	--	3.7	1.4	--	--	--	--	--	--	7.3	0.6
Unitan	--	--	--	--	--	--	--	0.0	1.7	2.6	--	--	3.9	7.8	5.6	0.4
WestBred Medallion	--	--	0.6	0.1	--	--	0.8	0.3	3.6	5.5	--	--	1.1	2.2	6.1	0.5
B 1215	--	--	3.0	0.5	--	--	2.6	1.0	--	--	--	--	--	--	5.6	0.4
Summit	--	--	1.8	0.3	--	--	3.2	1.2	--	--	--	--	--	--	5.0	0.4
Other and Unknown	8.3	18.9	15.0	2.5	21.5	11.6	19.2	7.3	8.3	12.8	15.5	18.0	4.8	9.6	92.6	7.1
ALL VARIETIES	44.0	100.0	605.0	100.0	186.0	100.0	264.0	100.0	65.0	100.0	86.0	100.0	50.0	100.0	1300.0	100.0

M -- American Malting Barley Association, Inc. recommended for malting and brewing for Montana

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS--1994 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington	M	--	--		289.8	47.9	3.1	1.5	61.9	23.8	2.5	4.2	--	--	357.3	27.5
Hector		0.1	0.2		52.6	8.7	65.2	31.5	64.0	24.6	1.1	1.9	5.1	6.1	196.9	15.1
Gallatin		8.9	21.7		36.3	6.0	6.0	2.9	29.6	11.4	6.7	11.4	20.3	24.5	111.2	8.6
Baronesse		3.3	8.0		43.6	7.2	1.9	0.9	30.7	11.8	5.7	9.7	1.5	1.8	90.3	6.9
Bowman		--	--		1.2	0.2	62.1	30.0	5.5	2.1	0.1	0.2	6.1	7.3	84.9	6.5
Piroline		--	--		41.7	6.9	6.0	2.9	15.6	6.0	0.9	1.5	2.8	3.4	72.4	5.6
Lewis		4.0	9.8		27.8	4.6	15.3	7.4	12.7	4.9	7.3	12.4	--	--	67.1	5.2
AB 1202	M	--	--		33.3	5.5	--	--	6.5	2.5	2.0	3.4	5.9	7.1	47.7	3.7
Morex	M	--	--		16.3	2.7	--	--	--	--	8.7	14.7	--	--	25.0	1.9
Menuet		15.0	36.6		--	--	--	--	--	--	2.7	4.6	0.7	0.8	18.4	1.4
Horford		1.5	3.7		3.6	0.6	2.3	1.1	2.1	0.8	2.8	4.7	0.2	0.2	17.1	1.3
Clark	M	1.6	3.9		0.6	0.1	2.1	1.0	2.9	1.1	2.3	3.9	5.2	6.3	15.3	1.2
Westbred Medallion		1.4	3.4		3.6	0.6	--	--	3.1	1.2	6.7	11.4	--	--	14.8	1.1
AB 2601	M	--	--		13.3	2.2	--	--	0.5	0.2	--	--	--	--	13.8	1.1
Bearpaw		--	--		4.8	0.8	--	--	4.7	1.8	0.3	0.5	1.0	1.2	10.8	0.8
Galena		--	--		--	--	--	--	--	--	3.1	5.3	7.3	8.8	10.4	0.8
Moravian III	M	--	--		6.1	1.0	--	--	--	--	--	--	3.7	4.5	9.8	0.8
Haybet		0.2	0.5		1.2	0.2	5.8	2.8	0.3	0.1	--	--	1.2	1.4	9.4	0.7
Stark		--	--		1.8	0.3	0.8	0.4	--	--	--	--	5.5	6.6	8.6	0.7
Summit		--	--		0.6	0.1	2.1	1.0	3.6	1.4	0.2	0.3	--	--	6.5	0.5
AB 1215		--	--		4.2	0.7	--	--	1.0	0.4	--	--	--	--	5.2	0.4
Excel	M	--	--		--	--	4.8	2.3	0.3	0.1	--	--	--	--	5.1	0.4
Unitan		--	--		--	--	--	--	1.3	0.5	0.4	0.7	--	--	3.7	0.3
Whitford		--	--		1.2	0.2	--	--	1.6	0.6	--	--	0.4	0.5	3.2	0.2
Other & Unknown		5.0	12.2		21.4	3.5	29.5	14.3	12.1	4.7	5.5	9.2	16.1	19.5	95.1	7.3
** ALL VARIETIES		41.0	100.0		605.0	100.0	207.0	100.0	260.0	100.0	59.0	100.0	83.0	100.0	45.0	100.0

M - American Malting Barley Association, Inc. recommended for malting and brewing for Montana

MONTANA BARLEY VARIETIES

PERCENT OF TOTAL SEEDED ACREAGE 1988-1994 & SEEDED ACREAGE 1993-94

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE							SEEDED ACRES	
								(000)	
	1988	1989	1990	1991	1992	1993	1994	1993 1/	1994 2/
Harrington	10.5	15.6	22.7	25.3	23.5	22.0	27.5	286.5	357.3
Hector	31.8	29.8	22.9	25.8	23.9	22.5	15.1	292.4	196.9
Gallatin	2.6	6.0	5.4	5.6	8.0	8.4	8.6	108.8	111.2
Baronesse	--	--	--	--	0.1	1.5	6.9	19.9	90.3
Bowman	5.1	3.0	2.7	4.3	7.1	7.3	6.5	94.5	84.9
Piroline	11.3	7.3	7.4	7.0	9.5	7.4	5.6	95.7	72.4
Lewis	3.2	2.4	2.1	3.0	2.2	5.1	5.2	66.3	67.1
AB 1202	0.3	1.2	2.4	2.7	3.9	5.7	3.7	73.6	47.7
Morex	1.9	2.3	4.1	4.6	3.0	2.4	1.9	31.7	25.0
Menuet	1.7	1.1	1.2	1.7	1.4	0.8	1.4	10.2	18.4
Horsford	0.7	1.6	1.8	2.2	1.4	1.9	1.3	24.9	17.1
Clark	6.7	7.2	4.7	4.1	2.5	2.1	1.2	27.8	15.3
Westbred Medallion	--	--	0.1	0.1	0.6	0.5	1.1	6.1	14.8
AB 2601	--	1.4	2.1	1.3	1.4	0.6	1.1	7.3	13.8
Bearpaw	--	--	--	0.2	0.8	0.3	0.8	3.9	10.8
Galena	--	--	--	--	--	--	0.8	--	10.4
Moravian III	1.0	1.2	2.5	1.7	1.8	1.9	0.8	25.3	9.8
Haybet	--	--	--	0.1	--	--	0.7	--	9.4
Stark	--	--	--	--	--	--	0.7	--	8.6
Summit	1.1	0.4	0.5	--	0.3	0.4	0.5	5.0	6.5
AB 1215	--	--	--	--	0.3	0.4	0.4	5.6	5.2
Excel	--	--	--	--	0.1	0.2	0.4	2.6	5.1
Unitan	0.6	0.6	0.8	0.7	0.2	0.4	0.3	5.6	3.7
Whitford	--	--	0.4	--	--	--	0.2	--	3.2
Other & Unknown	21.5	18.9	16.2	9.6	8.0	8.2	7.3	106.3	95.1
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1300.0	1300.0

1/ Revised 2/ Preliminary

S/338 4/A76V/1995

BARLEY VARIETIES 1995



Montana
Agricultural
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Montana farmers planted 1.3 million acres of barley in 1995, unchanged from a year ago. Malting and brewing varieties recommended by the American Malting Barley Association accounted for 36 percent of the total barley acres.

Harrington remained in first place as the leading variety of malting-type barley planted in Montana, with more than 326,000 acres seeded. Hector, a feed-type barley, also maintained its second place position. Together these two varieties accounted for nearly 39 percent of the total barley acres seeded in Montana.

MALTING-TYPE BARLEY VARIETIES

Malting-type barley varieties, grown in Montana and recommended by the American Malting Barley Association for malting and brewing use, account for 467,500 acres.

Harrington remained the top variety despite decreasing in acreage by 11 percent. It accounts for 25.1 percent of the total planted acreage and 69.8 percent of the varieties planted that are recommended by the American Malting Barley Association. The north central district continues to be the largest producer of Harrington where more than 77 percent of the Harrington acreage is grown. It is a two-row variety with good malting qualities.

B1202 remains in second place for the malting-type barley varieties. It accounts for 6.2 percent of the total barley acreage seeded and 17.2 percent of the varieties seeded that are recommended by the American Malting Barley Association. Its acreage increased by 64.8 percent from last year. It is a two-rowed variety.

B2601 moved into third place this year. Its acreage accounts for 1.9 percent of the barley planted and 5.2 percent of the varieties seeded that were recommended by the American Malting Barley Association. Its acreage increased nearly 71 percent over last year. B2601 is a six-row western variety which has excellent lodging resistance.

Excel moved into fourth place this year. Its acreage accounts for 1.3 percent of the barley planted and 3.6 percent of the varieties seeded that were recommended by the American Malting Barley Association. It has high resistance to stem rust and moderate resistance to spot blotch.

FEED-TYPE VARIETIES

Hector remained in first place among feed type varieties. It accounted for 13.6 percent of the total state acreage. It is a high-yielding, two-rowed variety from Lethbridge, Canada, with good test weight and good lodging resistance. Hector is moderately resistant to stem rust.

Baronesse moved into second place for feed type varieties. Its acreage increased by over 65 percent from the previous year. Baronesse accounts for 11.9 percent of the barley that was planted this spring. It has good straw strength and excellent yields.

Gallatin dropped one position from last year. It accounts for 6.9 percent of the barley that was planted. It is well adapted on dryland and irrigated land in the Pacific Northwest and the Northern Great Plains.

Bowman remained in fourth position this year and accounts for 6.8 percent of the barley planted. Bowman was developed by the North Dakota Agricultural Experiment Station and exhibits a short strong straw and has very good yield potential.

This Barley Variety Survey was funded by the Montana Wheat & Barley committee and the American Malting Barley Association, Inc. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Peggy Stringer
State Statistician

Bill Meyer
David F. Mikelson
Agricultural Statisticians

Barley: Seeded Acreage and Percent of Total by Districts-1994 Revised

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington ¹	--	--	293.6	47.9	2.6	1.5	65.9	23.8	2.8	4.2	--	--	--	--	364.9	28.0
Hector	0.1	0.2	53.3	8.7	55.1	31.5	68.1	24.6	1.3	1.9	5.1	6.1	8.4	19.6	191.4	14.7
Gallatin	9.1	21.7	36.8	6.0	5.1	2.9	31.6	11.4	7.5	11.4	20.6	24.5	3.3	7.6	114.0	8.8
Baronesse	3.4	8.0	44.1	7.2	1.6	0.9	32.7	11.8	6.4	9.7	1.5	1.8	3.4	8.0	93.1	7.2
Bowman	--	--	1.2	0.2	52.5	30.0	5.8	2.1	0.1	0.2	6.1	7.3	9.5	22.0	75.2	5.8
Piroline	--	--	42.3	6.9	5.1	2.9	16.6	6.0	1.0	1.5	2.9	3.4	5.2	12.0	73.1	5.6
Lewis	4.1	9.8	28.2	4.6	13.0	7.4	13.6	4.9	8.2	12.4	--	--	--	--	67.1	5.2
B1202 ¹	--	--	33.7	5.5	--	--	6.9	2.5	2.2	3.4	6.0	7.1	--	--	48.8	3.7
Morex ¹	--	--	16.6	2.7	--	--	--	--	9.7	14.7	--	--	--	--	26.3	2.0
Menuet	15.4	36.6	--	--	--	--	--	--	3.0	4.6	0.7	0.8	--	--	19.1	1.5
Horsford	1.6	3.7	3.7	0.6	1.9	1.1	2.2	0.8	3.1	4.7	0.2	0.2	4.4	10.2	17.1	1.3
Clark	1.6	3.9	0.6	0.1	1.8	1.0	3.0	1.1	2.6	3.9	5.3	6.3	0.6	1.3	15.5	1.2
Westbred Medallion	1.4	3.4	3.7	0.6	--	--	3.3	1.2	7.5	11.4	--	--	--	--	15.9	1.2
B2601 ¹	--	--	13.5	2.2	--	--	0.6	0.2	--	--	--	--	--	--	14.1	1.1
Bearpaw	--	--	4.9	0.8	--	--	5.0	1.8	0.3	0.5	1.0	1.2	--	--	11.2	0.9
Galena	--	--	--	--	--	--	--	--	3.5	5.3	7.4	8.8	--	--	10.9	0.8
Moravian III ¹	--	--	6.1	1.0	--	--	--	--	--	--	3.8	4.5	--	--	9.9	0.8
Haybet	0.2	0.5	1.2	0.2	4.9	2.8	0.3	0.1	--	--	1.2	1.4	0.7	1.6	8.5	0.7
Stark	--	--	1.8	0.3	0.7	0.4	--	--	--	--	5.5	6.6	0.5	1.1	8.5	0.7
Summit	--	--	0.6	0.1	1.8	1.0	3.9	1.4	0.2	0.3	--	--	--	--	6.5	0.5
B1215 ¹	--	--	4.3	0.7	--	--	1.1	0.4	--	--	--	--	--	--	5.4	0.4
Excel ¹	--	--	--	--	4.0	2.3	0.3	0.1	--	--	--	--	--	--	4.3	0.3
Unitan	--	--	--	--	--	--	1.4	0.5	0.5	0.7	--	--	1.9	4.4	3.8	0.3
Whitford	--	--	1.2	0.2	--	--	1.7	0.6	--	--	0.4	0.5	--	--	3.3	0.3
Other & Unknown	5.1	12.2	21.6	3.5	24.9	14.3	13.0	4.7	6.1	9.2	16.3	19.5	5.1	12.2	92.1	7.0
State Total	42.0	100.0	613.0	100.0	175.0	100.0	277.0	100.0	66.0	100.0	84.0	100.0	43.0	100.0	1300.0	100.0

¹ American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Barley: Seeded Acreage and Percent of Total by Districts-1995

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington ¹	0.8	2.3	252.3	41.7	--	--	73.4	25.3	--	--	--	--	--	--	326.5	25.1
Hector	--	--	47.8	7.9	50.9	28.3	64.7	22.3	2.3	3.8	2.5	2.8	8.4	20.1	176.6	13.6
Baronesse	7.4	21.8	93.8	15.5	0.9	0.5	37.4	12.9	8.0	13.4	4.0	4.5	2.7	6.4	154.2	11.9
Gallatin	8.5	25.1	26.6	4.4	4.7	2.6	16.5	5.7	8.9	14.8	22.6	25.4	1.8	4.3	89.6	6.9
Bowman	--	--	--	--	63.5	35.3	1.2	0.4	--	--	10.7	12.0	13.5	32.2	88.9	6.8
B1202 ¹	--	--	65.9	10.9	--	--	4.6	1.6	--	--	8.5	9.5	--	--	80.4	6.2
Piroline	--	--	29.0	4.8	1.3	0.7	26.4	9.1	--	--	--	--	--	--	56.7	4.4
Lewis	2.0	5.9	12.1	2.0	5.8	3.2	12.8	4.4	--	--	0.5	0.6	--	--	33.2	2.6
B2601 ¹	--	--	20.6	3.4	--	--	2.0	0.7	--	--	1.5	1.7	--	--	24.1	1.9
Clark	--	--	6.1	1.0	9.0	5.0	2.3	0.8	0.3	0.5	1.8	2.0	--	--	19.5	1.5
Haybet	2.0	6.0	2.4	0.4	5.2	2.9	0.9	0.3	0.6	1.0	0.4	0.4	6.2	14.7	17.7	1.4
Excel ¹	--	--	--	--	7.0	3.9	9.6	3.3	--	--	--	--	--	--	16.6	1.3
Horsford	0.6	1.7	0.6	0.1	2.9	1.6	2.6	0.9	4.1	6.8	4.1	4.6	0.8	2.0	15.7	1.2
Westbred 501	--	--	--	--	--	--	6.1	2.1	7.9	13.2	--	--	--	--	14.0	1.1
Moravian III ¹	--	--	12.1	2.0	--	--	--	--	--	--	1.4	1.6	--	--	13.5	1.0
Galena	--	--	--	--	--	--	--	--	--	--	13.2	14.8	--	--	13.2	1.0
Menuet	8.4	24.7	--	--	--	--	--	--	1.9	3.2	--	--	--	--	10.3	0.8
Westford	0.4	1.3	--	--	--	--	2.0	0.7	1.9	3.2	2.5	2.8	--	--	6.8	0.5
Morex ¹	0.1	0.2	5.4	0.9	--	--	--	--	0.9	1.5	--	--	--	--	6.4	0.5
Stark	--	--	--	--	4.0	2.2	--	--	--	--	--	--	2.1	4.9	6.1	0.5
Compana	--	--	--	--	0.9	0.5	--	--	4.9	8.2	--	--	--	--	5.8	0.4
Bearpaw	--	--	0.6	0.1	--	--	2.0	0.7	1.6	2.6	--	--	--	--	4.2	0.3
Triumph	--	--	--	--	--	--	--	--	4.2	7.0	--	--	--	--	4.2	0.3
Westbred Medallion	--	--	--	--	--	--	0.3	0.1	3.7	6.1	0.2	0.2	--	--	4.2	0.3
Other & Unknown	3.8	11.0	29.7	4.9	23.9	13.3	25.2	8.7	7.4	12.4	15.1	17.1	6.5	15.4	111.6	8.5
State Total	34.0	100.0	605.0	100.0	180.0	100.0	290.0	100.0	60.0	100.0	89.0	100.0	42.0	100.0	1300.0	100.0

¹ American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Barley: Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 ¹	1995	1994 ¹	1995
Harrington ²	15.6	22.7	25.3	23.5	22.0	28.0	25.1	364.9	326.5
Hector	29.8	22.9	25.8	23.9	22.5	14.7	13.6	191.4	176.6
Baronesse	--	--	--	0.1	1.5	7.2	11.9	93.1	154.2
Gallatin	6.0	5.4	5.6	8.0	8.4	8.8	6.9	114.0	89.6
Bowman	3.0	2.7	4.3	7.1	7.3	5.8	6.8	75.2	88.9
B1202 ²	1.2	2.4	2.7	3.9	5.7	3.7	6.2	48.8	80.4
Piroline	7.3	7.4	7.0	9.5	7.4	5.6	4.4	73.1	56.7
Lewis	2.4	2.1	3.0	2.2	5.1	5.2	2.6	67.1	33.2
B2601 ²	1.4	2.1	1.3	1.4	0.6	1.1	1.9	14.1	24.1
Clark	7.2	4.7	4.1	2.5	2.1	1.2	1.5	15.5	19.5
Haybet	--	--	0.1	--	--	0.7	1.4	8.5	17.7
Excel ²	--	--	--	0.1	0.2	0.3	1.3	4.3	16.6
Horsford	1.6	1.8	2.2	1.4	1.9	1.3	1.2	17.1	15.7
Westbred 501	0.2	0.4	0.1	0.1	1.0	0.2	1.1	2.5	14.0
Moravian III ²	1.2	2.5	1.7	1.8	1.9	0.8	1.0	9.9	13.5
Galena	--	--	--	--	--	0.8	0.8	10.9	13.2
Menuet	1.1	1.2	1.7	1.4	0.8	1.5	0.8	19.1	10.3
Westford	--	--	--	--	--	0.1	0.5	0.8	6.8
Morex ²	2.3	4.1	4.6	3.0	2.4	2.0	0.5	26.3	6.4
Stark	--	--	--	--	--	0.7	0.5	8.5	6.1
Compana	0.8	0.2	0.2	0.1	0.1	0.2	0.4	3.0	5.8
Bearpaw	--	--	0.2	0.8	0.3	0.9	0.3	11.2	4.2
Triumph	--	--	--	--	--	0.1	0.3	1.2	4.2
Westbred Medalion	--	0.1	0.1	0.6	0.5	1.2	0.3	15.9	4.2
Other & Unknown	18.9	17.3	10.0	8.6	8.3	7.9	8.5	103.6	111.6
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1300.0	1300.0

¹ Revised

² American Malting Barley Association, Inc. recommended for malting and brewing for Montana

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BAILEY VARIETIES 1996



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Released: July 12, 1996

Montana farmers planted 1.3 million acres of barley in 1996, unchanged from last year. Malting and brewing varieties recommended by the American Malting Barley Association accounted for about 43 percent of the barley planted. For the third consecutive year Harrington maintained its top position as the leading barley variety seeded in Montana.

MALTING-TYPE BARLEY VARIETIES

Harrington was the top malting-type barley variety planted. It accounted for nearly one third of all the barleys planted and three quarters of the varieties recommended by the American Malting Barley Association. It increased in acreage by nearly 100 thousand acres from a year ago. It is a two-row variety with good straw strength and test weight and in addition has good malting qualities. The North Central district continues to be the largest grower of Harrington where over 75 percent of the Harrington acreage is seeded.

B1202 retained its second place position from a year ago for malting type barley varieties despite decreasing in total acreage planted. It accounted for about 5 percent of the total barley acreage seeded and about 12 percent of the varieties recommended by the American Malting Barley Association. It is a two-rowed barley that has good straw strength and average lodging resistance.

Moravian III moved up to third position. It accounted for about 2 percent of the barley acreage planted and about 4 percent of the varieties recommended by the American Malting Barley Association. Moravian is a two-row barley that has intermediate lodging resistance and high disease resistance.

B2601 dropped to fourth place this year accounting for just over 1 percent of the barley acreage and 3 percent of the varieties recommended by the American Malting Barley Association. It is a 6-row barley with excellent lodging resistance and good test weight under irrigation.

FEED-TYPE VARIETIES

Baronesse moved into the top position among feed type barleys. It accounted for over 12 percent of the barley seeded and over one fifth of the feed type barley. It is a two-row barley with good straw strength and excellent yields. Developed in Germany, it is medium short in height and medium in maturity.

Hector moved down into second place among feed type barleys from a year ago. It accounts for about 10 percent of the barley planted and about 18 percent of the feed type barley. It is moderately resistant to stem rust. The Montana Agricultural Experiment Station has recommended Hector as a good two-rowed dryland barley.

Bowman moved up one position into third place for feed type varieties. It accounts for 6 percent of the barley planted and over 10 percent of feed type barley. It is a two-rowed barley which matures very early and has a very good yield. Bowman was released in North Dakota and is moderately resistant to leaf diseases.

Gallatin dropped one position from a year ago to the fourth position of feed type barleys planted. It accounts for about 6 percent of the barley planted and about 10 percent of the feed type barley. Gallatin is a two-rowed barley that is best adapted to dryland areas and yields well under intermediate to high rainfall.

This Barley Variety Survey was funded by the Montana Wheat & Barley committee and the American Malting Barley Association, Inc. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

PLEASE RETURN

Peggy Stringer
State Statistician

Bill Meyer
David F. Mikelson
Agricultural Statisticians

Barley: Seeded Acreage and Percent of Total by Districts - 1995 Revised

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington ¹	0.9	2.3	252.3	41.7	-	25.3	70.8	25.3	-	-	-	-	-	-	324.0	24.9
Hector	-	-	47.8	7.9	50.9	28.3	62.4	22.3	2.5	3.8	2.2	2.8	10.1	20.1	175.9	13.5
Baronesse	8.7	21.8	93.8	15.5	0.9	0.5	36.1	12.9	8.7	13.4	3.6	4.5	3.2	6.4	155.0	11.9
Bowman	-	-	-	-	63.5	35.3	1.1	0.4	-	-	9.6	12.0	16.1	32.2	90.3	6.9
Gallatin	10.0	25.1	26.6	4.4	4.7	2.6	16.0	5.7	9.6	14.8	20.3	25.4	2.2	4.3	89.4	6.9
B 1202 ¹	-	-	65.9	10.9	-	1.6	4.5	1.6	1.5	2.3	7.6	9.5	-	-	79.5	6.1
Piroline	-	-	29.0	4.8	1.3	0.7	25.5	9.1	-	-	-	-	-	-	55.8	4.3
Lewis	2.4	5.9	12.1	2.0	5.8	3.2	12.3	4.4	-	-	0.5	0.6	-	-	33.1	2.5
B 2601 ¹	-	-	20.6	3.4	-	-	2.0	0.7	-	-	1.4	1.7	-	-	24.0	1.8
Clark	-	-	6.1	1.0	9.0	5.0	2.2	0.8	0.3	0.5	1.6	2.0	-	-	19.2	1.5
Haybet	2.4	6.0	2.4	0.4	5.2	2.9	0.8	0.3	0.7	1.0	0.3	0.4	7.4	14.7	19.2	1.5
Excel ¹	-	-	-	-	7.0	3.9	9.2	3.3	-	-	-	-	-	-	16.2	1.2
Horsford	0.7	1.7	0.6	0.1	2.9	1.6	2.5	0.9	4.4	6.8	3.7	4.6	1.0	2.0	15.8	1.2
Westbred 501	-	-	-	-	-	-	5.9	2.1	8.6	13.2	-	-	-	-	14.5	1.1
Moravian III ¹	-	-	12.1	2.0	-	-	-	-	-	-	1.3	1.6	-	-	13.4	1.0
Menuet	9.9	24.7	-	-	-	-	-	-	2.1	3.2	-	-	-	-	12.0	0.9
Galena	-	-	-	-	-	-	-	-	-	-	11.8	14.8	-	-	11.8	0.9
Westford	0.5	1.3	-	-	-	-	2.0	0.7	2.1	3.2	2.2	2.8	-	-	6.8	0.5
Morex ¹	0.1	0.2	5.4	0.9	-	-	-	-	1.0	1.5	-	-	-	-	6.5	0.5
Stark	-	-	-	-	-	2.2	-	-	-	-	-	-	2.5	4.9	6.5	0.5
Compana	-	-	-	-	0.9	0.5	-	-	5.3	8.2	-	-	-	-	6.2	0.5
Triumph	-	-	-	-	-	-	-	-	4.6	7.0	-	-	-	-	4.6	0.4
Westbred Medallion	-	-	-	-	-	-	0.3	0.1	4.0	6.1	0.2	0.2	-	-	4.5	0.3
Bearpaw	-	-	0.6	0.1	-	-	2.0	0.7	1.7	2.6	-	-	-	-	4.3	0.3
Other & Unknown	4.4	11.0	29.7	4.9	23.9	13.3	24.4	8.7	7.9	12.4	13.7	17.1	7.5	15.4	111.5	8.9
State Total	40.0	100.0	605.0	100.0	180.0	100.0	280.0	100.0	65.0	100.0	80.0	100.0	50.0	100.0	1,300.0	100.0

¹ American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Barley: Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96

Variety	Percent of Total Seeded Acreage						Seeded Acres (000)	
	1990	1991	1992	1993	1994	1995 ¹	1995 ¹	1996
Harrington ²	22.7	25.3	23.5	22.0	28.0	24.9	324.0	422.0
Baronesse	-	-	0.1	1.5	7.2	11.9	155.0	161.1
Hector	22.9	25.8	23.9	22.5	14.7	13.5	175.9	132.3
Bowman	2.7	4.3	7.1	7.3	5.8	6.9	90.3	78.7
Gallatin	5.4	5.6	8.0	8.4	8.8	6.9	89.4	75.9
B 1202 ²	2.4	2.7	3.9	5.7	3.7	6.1	79.5	69.3
Piroline	7.4	7.0	9.5	7.4	5.6	4.3	55.8	40.4
Lewis	2.1	3.0	2.2	5.1	5.2	2.5	33.1	32.2
Horsford	1.8	2.2	1.4	1.9	1.3	1.2	15.8	30.1
Moravian III ²	2.5	1.7	1.8	1.9	0.8	1.0	13.4	23.1
Clark	4.7	4.1	2.5	2.1	1.2	1.5	19.2	20.6
Haybet	-	0.1	-	-	0.7	1.5	19.2	18.5
B 2601 ²	2.1	1.3	1.4	0.6	1.1	1.8	24.0	16.8
Galena	-	-	-	-	0.8	0.9	11.8	15.4
Menuet ²	1.2	1.7	1.4	0.8	1.5	0.9	12.0	13.3
Klages ²	7.2	3.3	0.3	0.6	-	0.1	1.6	10.6
Morex ²	4.1	4.6	3.0	2.4	2.0	0.5	6.5	9.9
Stark	-	-	-	-	0.7	0.5	6.5	9.6
Westbred Medallion	0.1	0.1	0.6	0.5	1.2	0.3	4.5	8.3
Bearpaw ²	-	0.2	0.8	0.3	0.9	0.3	4.3	8.2
Chinook ²	-	-	-	-	-	-	-	6.6
Westford	-	-	-	-	0.1	0.5	6.8	6.4
Summit	0.5	-	0.3	0.4	0.5	0.2	2.1	5.6
Waxbar	0.2	0.2	-	-	-	0.3	3.5	4.3
Other & Unknown	10.0	6.8	8.3	8.6	8.2	11.5	145.8	80.8
State Total	100.0	100.0	100.0	100.0	100.0	100.0	1300.0	1300.0

¹ Revised

² American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Barley: Seeded Acreage and Percent of Total by Districts - 1996

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington ¹	—	—	327.6	53.7	0.1	0.1	83.1	26.8	8.4	12.0	1.6	2.0	1.2	2.3	422.0	32.5
Baronesse	9.4	23.5	62.2	10.2	2.2	1.6	52.1	16.8	26.2	37.4	3.9	4.9	5.1	10.2	161.1	12.4
Hector	—	—	42.1	6.9	42.4	30.3	38.4	12.4	1.8	2.6	3.8	4.8	3.8	7.6	132.3	10.2
Bowman	0.4	1.1	4.3	0.7	41.3	29.5	0.9	0.3	—	—	14.2	17.7	17.6	35.2	78.7	6.1
Gallatin	4.0	10.0	15.3	2.5	—	—	38.1	12.3	5.2	7.4	8.6	10.7	4.7	9.4	75.9	5.8
B 1202 ¹	—	—	45.8	7.5	1.5	1.1	14.3	4.6	—	—	7.7	9.6	—	—	69.3	5.3
Piroline	—	—	15.3	2.5	0.7	0.5	20.2	6.5	1.5	2.2	—	—	2.7	5.3	40.4	3.1
Lewis	0.4	1.1	9.2	1.5	7.1	5.1	9.6	3.1	4.0	5.7	—	—	1.9	3.8	32.2	2.5
Horsford	1.6	3.9	3.7	0.6	1.0	0.7	16.1	5.2	3.2	4.5	2.6	3.2	1.9	3.7	30.1	2.3
Moravian III ¹	—	—	22.0	3.6	—	—	—	—	—	—	1.1	1.4	—	—	23.1	1.8
Clark	1.3	3.3	15.9	2.6	—	—	—	—	2.8	4.0	0.6	0.7	—	—	20.6	1.6
Haybet ¹	2.8	6.9	1.2	0.2	8.1	5.8	2.5	0.8	0.7	1.0	0.6	0.7	2.6	5.2	18.5	1.4
B 2601 ¹	—	—	13.4	2.2	—	—	3.4	1.1	—	—	—	—	—	—	16.8	1.3
Galena	—	—	2.4	0.4	—	—	—	—	—	—	12.6	15.8	0.4	0.8	15.4	1.2
Mennet ¹	13.3	33.3	—	—	—	—	—	—	—	—	—	—	—	—	13.3	1.0
Klages ¹	—	—	—	—	—	—	5.0	1.6	2.7	3.8	2.9	3.6	—	—	10.6	0.8
Morex ¹	—	—	4.9	0.8	—	—	—	—	5.0	7.1	—	—	—	—	9.9	0.8
Stark	—	—	—	—	8.4	6.0	—	—	—	—	—	—	1.2	2.4	9.6	0.7
Westbred Medallion	—	—	—	—	—	—	—	—	—	—	0.6	0.7	—	—	8.3	0.6
Bearpaw ¹	0.4	1.0	—	—	4.6	3.3	—	—	2.7	3.9	—	—	—	—	8.2	0.6
Chinook ¹	1.7	4.3	—	—	—	—	6.5	2.1	—	—	—	—	—	—	6.6	0.5
Westford	—	—	5.5	0.9	—	—	0.9	0.3	0.2	0.3	—	—	—	—	6.4	0.5
Summit	2.8	6.9	0.6	0.1	—	—	1.2	0.4	0.4	0.6	1.4	1.8	—	—	5.6	0.4
Waxbar	—	—	—	—	—	—	5.6	1.8	—	—	—	—	—	—	4.3	0.3
Other & Unknown	1.9	4.7	1.8	0.3	—	—	2.5	0.8	—	—	—	—	—	—	4.3	0.3
State Total	40.0	100.0	610.0	100.0	140.0	100.0	310.0	100.0	70.0	100.0	80.0	100.0	50.0	100.0	1,300.0	100.0

¹ American Malting Barley Association, Inc. recommended for malting and brewing for Montana

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BARLEY VARIETIES 1997



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Released: July 10, 1997

Montana farmers planted 1.3 million acres of barley in 1997, unchanged from the last four years. Malting and brewing varieties recommended by the American Malting Barley Association accounted for almost 44 percent of the barley planted. For the fourth consecutive year, Harrington maintained its top position as the leading barley variety seeded in Montana.

MALTING-TYPE BARLEY VARIETIES

Harrington was the top barley variety planted. It accounted for one third of all varieties planted and over three quarters of the varieties recommended by the American Malting Barley Association. It is a two-row variety with good straw strength, test weight, and malting qualities. The North Central district continues to be the largest grower of Harrington where over 75 percent of the Harrington acreage is seeded.

B1202 retained its second place position for the third year, increasing total acreage planted by about 2 thousand acres. It accounted for 5 percent of the total barley acreage seeded and about 12 percent of the varieties recommended by the American Malting Barley Association. It is a two-rowed barley that has good straw strength and average lodging resistance.

B2601 increased to third place this year accounting for just under 2 percent of the barley acreage and 4 percent of the varieties recommended by the American Malting Barley Association. It is a 6-row barley with excellent lodging resistance and good test weight when irrigated.

Morex ranked fourth among malting-type barley in the state, increasing its acreage by almost 5 thousand acres over 1996. Barley growers planted over 16 thousand acres of Morex, which accounted for almost 3 percent of the varieties recommended by the American Malting Barley Association. A 6-row barley, Morex is adapted to high rainfall areas and is resistant to stem rust.

FEED-TYPE VARIETIES

Baronesse stayed in the top position among feed-type barleys from last year. It accounted for over 15 percent of the barley seeded and over one fourth of the feed-type barley. It is a two-row barley with good straw strength and excellent yields. Developed in Germany, it is medium short in height and medium in maturity.

Hector remained in second place among feed-type barleys from a year ago. It accounts for about 9 percent of the barley planted and about 16 percent of the feed-type barley. It is moderately resistant to stem rust. The Montana Agricultural Experiment Station has recommended Hector as a good two-rowed dryland barley.

Gallatin moved up one position into third place for feed-type varieties from a year ago. It accounts for about 6 percent of the barley planted and about 10 percent of the feed-type barley. Gallatin is a two-rowed barley that is best adapted to dryland areas and yields well under intermediate to high rainfall.

Bowman dropped one position into fourth place for feed-type varieties. It accounts for 5 percent of the barley planted and just under 9 percent of feed-type barley. It is a two-rowed barley which matures very early and has very good yield. Bowman was released in North Dakota and is moderately resistant to leaf diseases.

PLEASE RETURN

This Barley Variety Survey was funded by the Montana Wheat & Barley committee and the American Malting Barley Association, Inc. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Peggy Stringer
State Statistician

Bill Meyer
Courtney M. Cox
Agricultural Statisticians

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS-1996 Revised																
VARIETY	NORTHWEST		NORTH CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		STATE	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington ¹	—	—	333.0	53.7	0.1	0.1	80.4	26.8	7.8	12.0	1.6	2.0	1.0	2.3	423.9	32.6
Baronesse	10.6	23.5	63.3	10.2	2.3	1.6	50.4	16.8	24.0	37.4	4.0	4.9	4.6	10.2	159.2	12.2
Hector	—	—	42.8	6.9	43.3	30.3	37.2	12.4	1.7	2.6	3.9	4.8	3.4	7.6	132.3	10.2
Bowman	0.5	1.1	4.3	0.7	42.2	29.5	0.9	0.3	—	—	14.5	17.7	15.8	35.2	78.2	6.0
Gallatin	4.5	10.0	15.5	2.5	—	—	36.9	12.3	4.8	7.4	8.8	10.7	4.2	9.4	74.7	5.7
B 1202 ¹	—	—	46.5	7.5	1.6	1.1	13.8	4.6	—	—	7.9	9.6	—	—	69.8	5.4
Piroline	—	—	15.5	2.5	0.7	0.5	19.5	6.5	1.4	2.2	—	—	2.4	5.3	39.5	3.0
Lewis	0.5	1.1	9.3	1.5	7.3	5.1	9.3	3.1	3.7	5.7	—	—	1.7	3.8	31.8	2.4
Horsford	1.8	3.9	3.7	0.6	1.0	0.7	15.6	5.2	2.9	4.5	2.6	3.2	1.7	3.7	29.3	2.3
Moravian III ¹	—	—	22.3	3.6	—	—	—	—	—	—	1.1	1.4	—	—	23.4	1.8
Clark	1.5	3.3	16.1	2.6	—	—	—	—	2.6	4.0	0.6	0.7	—	—	20.8	1.6
Haybet	3.1	6.9	1.2	0.2	8.3	5.8	2.4	0.8	0.7	1.0	0.6	0.7	2.3	5.2	18.6	1.4
B 2601 ¹	—	—	13.6	2.2	—	—	3.3	1.1	—	—	—	—	—	—	16.9	1.3
Galena	—	—	2.5	0.4	—	—	—	—	—	—	13.0	15.8	0.4	0.8	15.9	1.2
Menuet	14.9	33.3	—	—	—	—	—	—	—	—	—	—	—	—	14.9	1.1
Klages ¹	—	—	—	—	—	—	4.8	1.6	2.5	3.8	3.0	3.6	—	—	10.3	0.8
Morex ¹	—	—	5.0	0.8	—	—	—	—	4.6	7.1	—	—	—	—	9.6	0.7
Stark	—	—	—	—	8.6	6.0	—	—	—	—	—	—	1.1	2.4	9.7	0.7
Westbred Medallion	0.5	1.0	—	—	4.7	3.3	—	—	2.5	3.9	0.6	0.7	—	—	8.3	0.6
Bearpaw	1.9	4.3	—	—	—	—	6.3	2.1	—	—	—	—	—	—	8.2	0.6
Chinook ¹	—	—	5.6	0.9	—	—	0.9	0.3	0.2	0.3	—	—	—	—	6.7	0.5
Westford	3.1	6.9	0.6	0.1	—	—	1.2	0.4	0.4	0.6	1.5	1.8	—	—	6.8	0.5
Summit	—	—	—	—	—	—	5.4	1.8	—	—	—	—	—	—	5.4	0.4
Waxbar	—	—	1.9	0.3	—	—	2.4	0.8	—	—	—	—	—	—	4.3	0.3
Other & Unknown	2.1	4.7	17.3	2.8	22.9	16.0	9.3	3.1	5.2	7.5	18.3	22.4	6.4	14.1	81.5	6.7
State	45.0	100.0	620.0	100.0	143.0	100.0	300.0	100.0	65.0	100.0	82.0	100.0	45.0	100.0	1,300.0	100.0

¹ American Malting Barley Association, Inc. recommended for malting and brewing for Montana.

MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS-1997																
VARIETY	NORTHWEST		NORTH CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		SOUTH CENTRAL		SOUTHEAST		STATE	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington ¹	—	0.0	327.8	48.6	1.6	1.1	86.7	34.4	12.4	19.1	3.7	4.3	0.3	0.6	432.5	33.3
Baronesse	8.6	30.6	100.0	14.8	2.2	1.5	55.7	22.2	20.7	31.9	4.0	4.7	6.2	13.8	197.4	15.2
Hector	—	—	38.7	5.8	46.9	31.3	21.9	8.7	—	—	6.3	7.4	3.1	6.8	116.9	9.0
Gallatin	4.2	15.0	33.8	5.0	—	—	17.6	7.0	5.9	9.1	8.4	9.8	4.1	9.2	74.0	5.7
B 1202 ¹	—	—	50.6	7.5	—	—	5.1	2.0	—	—	11.9	14.0	—	—	67.6	5.2
Bowman	—	—	2.2	0.3	30.3	20.2	—	—	—	—	17.8	21.0	14.5	32.3	64.8	5.0
Pioline	—	—	18.7	2.8	8.5	5.7	11.3	4.5	0.7	1.1	5.0	5.9	—	—	44.2	3.4
Haybet	3.9	13.9	2.1	0.3	8.8	5.8	5.0	2.0	3.3	5.1	0.4	0.5	3.2	7.0	26.7	2.0
Horsford	—	—	0.4	0.1	12.3	8.2	4.0	1.6	3.8	5.8	0.9	1.0	1.8	4.0	23.2	1.8
B 2601 ¹	—	—	14.3	2.1	—	—	8.1	3.2	—	—	—	—	—	—	22.4	1.7
Westford	4.2	15.1	0.5	0.1	2.3	1.6	9.9	3.9	1.1	1.7	2.0	2.3	—	—	20.0	1.5
Lewis	—	—	8.6	1.3	9.3	6.2	1.9	0.8	—	—	0.1	0.1	—	—	19.9	1.5
Galena	—	—	7.6	1.1	—	—	2.1	0.8	—	—	8.7	10.3	—	—	18.4	1.4
Morex ¹	—	—	5.7	0.8	1.1	0.7	0.1	—	8.7	13.4	0.4	0.5	0.5	1.1	16.5	1.3
Clark	—	—	4.7	0.7	1.3	0.8	2.7	1.1	1.9	2.9	3.9	4.6	—	—	14.5	1.1
Stark	—	—	—	—	9.3	6.2	—	—	—	—	—	—	2.2	4.9	11.5	0.9
Moravian III ¹	—	—	10.0	1.5	—	—	—	—	—	—	1.3	1.6	—	—	11.3	0.9
Chinook ¹	0.1	0.3	6.3	0.9	—	—	3.6	1.4	0.1	0.1	—	—	—	—	10.1	0.8
Menuet	6.2	22.2	—	—	—	—	—	—	—	—	1.5	1.8	—	—	7.7	0.6
Unitan	—	—	—	—	—	—	1.3	0.5	—	—	—	—	5.6	12.5	6.9	0.5
Waxbar	—	—	2.7	0.4	—	—	2.6	1.0	—	—	—	—	—	—	5.3	0.4
Excel ¹	—	—	—	—	4.7	3.1	—	—	—	—	—	—	—	—	4.7	0.4
Klages ¹	—	—	0.3	—	—	—	1.1	0.4	2.4	3.6	—	—	—	—	3.8	0.3
Kimberly	—	—	3.0	0.4	—	—	—	—	—	—	0.4	0.4	—	—	3.4	0.3
Other & Unknown	0.8	2.9	37.0	5.5	11.4	7.6	11.3	4.5	4.0	6.2	8.3	9.8	3.5	7.8	76.3	5.8
State	28.0	100.0	675.0	100.0	150.0	100.0	252.0	100.0	65.0	100.0	85.0	100.0	45.0	100.0	1300.0	100.0

¹ American Malting Barley Association, Inc. recommended for malting and brewing for Montana.

BARLEY: PERCENT OF TOTAL SEEDED ACREAGE 1991-1997 & SEEDED ACREAGE 1996-97									
VARIETY	PERCENT OF TOTAL SEEDED ACREAGE							SEEDED ACRES (000)	
	1991	1992	1993	1994	1995	1996 ¹	1997	1996 ¹	1997
Harrington ²	25.3	23.5	22.0	28.0	24.9	32.6	33.3	423.9	432.5
Baronesse	—	0.1	1.5	7.2	11.9	12.2	15.2	159.2	197.4
Hector	25.8	23.9	22.5	14.7	13.5	10.2	9.0	132.3	116.9
Gallatin	5.6	8.0	8.4	8.8	6.9	5.7	5.7	74.7	74.0
B 1202 ²	2.7	3.9	5.7	3.7	6.1	5.4	5.2	69.8	67.6
Bowman	4.3	7.1	7.3	5.8	6.9	6.0	5.0	78.2	64.8
Piroline	7.0	9.5	7.4	5.6	4.3	3.0	3.4	39.5	44.2
Haybet	0.1	—	—	0.7	1.5	1.4	2.0	18.6	26.7
Horsford	2.2	1.4	1.9	1.3	1.2	2.3	1.8	29.3	23.2
B 2601 ²	1.3	1.4	0.6	1.1	1.8	1.3	1.7	16.9	22.4
Westford	—	—	—	0.1	0.5	0.5	1.5	6.8	20.0
Lewis	3.0	2.2	5.1	5.2	2.5	2.4	1.5	31.8	19.9
Galena	—	—	—	0.8	0.9	1.2	1.4	15.9	18.4
Morex ²	4.6	3.0	2.4	2.0	0.5	0.7	1.3	9.6	16.5
Clark	4.1	2.5	2.1	1.2	1.5	1.6	1.1	20.8	14.5
Stark	—	—	—	0.7	0.5	0.7	0.9	9.7	11.5
Moravian III ²	1.7	1.8	1.9	0.8	1.0	1.8	0.9	23.4	11.3
Chinook ²	—	—	—	—	—	0.5	0.8	6.7	10.1
Menuet	1.7	1.4	0.8	1.5	0.9	1.1	0.6	14.9	7.7
Unitan	0.8	0.2	0.5	0.3	0.2	—	0.5	—	6.9
Waxbar	0.2	—	—	—	0.3	0.3	0.4	4.3	5.3
Excel ²	—	0.1	0.2	0.4	1.3	—	0.4	—	4.7
Klages ²	3.3	0.3	0.6	—	0.1	0.8	0.3	10.3	3.8
Kimberly	1.1	0.3	0.1	0.2	0.2	0.3	0.3	3.3	3.4
Other & Unknown	5.2	9.4	9.0	9.9	10.6	8.0	5.8	100.1	76.3
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,300.0	1,300.0

¹ Revised. ² American Malting Barley Association, Inc. recommended for malting and brewing for Montana.

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PLEASE RETURN

Released: July 15, 1998

Montana farmers planted 1.4 million acres of barley in 1998, an increase of 100 thousand acres from last year. Over 52 percent of total acres seeded to barley were malting and brewing varieties recommended by the American Malting Barley Association. The top variety seeded in Montana was Harrington, maintaining its position for the fifth consecutive year.

MALTING-TYPE BARLEY VARIETIES

Harrington remained the top variety planted in the state. It accounted for 43 percent of total seeded acreage with over 600 thousand acres planted. Harrington is the most popular variety of barley recommended by the American Malting Barley Association for planting in Montana. It is a rough awned, two-rowed variety with medium test weight and good malting qualities. In the North Central district, 62 percent of total barley acreage was Harrington.

B1202 maintained the second place position for the fourth consecutive year with 69 thousand acres of barley planted. Seeded acreage did not vary greatly from the 67 thousand acres planted in 1997. This two-rowed variety is medium height, has good straw strength and average lodging resistance.

Chinook moved up to the third position with acreage seeded to this variety more than doubling from 1997. This year, 24 thousand acres of Chinook were planted compared to only 10 thousand acres seeded during the 1997 season. This variety was developed by the Montana Agricultural Experiment Station and was released to certified producers in 1995. Chinook is a two-rowed, rough awned variety with good malting qualities and good yield potential for both irrigated and dryland farming.

Morex continued to rank fourth among malting barley varieties in the state with an increase in seeded acreage to 20 thousand acres. This compares to 16 thousand acres planted in 1997. Morex is a smooth awned, six-rowed variety with high grain protein and moderate resistance to spot blotch. It is a tall grain and matures fairly early compared to other varieties.

FEED-TYPE VARIETIES

Baronesse remained the leading feed-type barley for the third consecutive year. Over 163 thousand acres of Baronesse were planted this year, a drop from last year's seeded acreage of 197 thousand acres. This is a two-rowed variety with high test weight and medium grain protein. Baronesse is highly resistant to lodging, has a medium maturity and medium short height. It has excellent irrigated yield potential.

Hector also maintained its position as second most popular feed-type barley despite a reduction in seeded acreage from 1997. In 1998, nearly 94 thousand acres of Hector were planted, accounting for 7 percent of total seeded acreage. Hector is a medium tall, two-rowed variety with moderate resistance to stem rust and high grain protein levels. It is a medium maturity grain and has average test weights in both irrigated and dryland areas.

Gallatin stayed in the third place position for the second consecutive year. It accounts for over 4 percent of total seeded acreage with 62 thousand acres of the variety planted in the state. Gallatin is a two-rowed, rough awned variety and matures during mid season. This variety has good lodging resistance and high test weights and yield potential under most conditions.

Bowman was the fourth most popular feed-type variety in Montana. Almost 43 thousand acres of this variety were seeded in 1998, a decrease of over 20 thousand acres from last year. Bowman is an early maturing variety with high test weight and moderately high grain protein levels. This two-rowed grain is smooth awned and has good resistance to lodging.

This Barley Variety Survey was funded by the Montana Wheat & Barley committee and the American Malting Barley Association, Inc. Statements concerning variety characteristics are primarily derived from information published by Montana State University.

Peggy Stringer
State Statistician

Bill Meyer
Mykel R. Matthews
Agricultural Statisticians

Montana Barley Varieties: Seeded Acreage and Percent of Total by Districts-1997 Revised

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%
Harrington 1/ Baronesse	10.5	30.6	317.7	48.6	1.5	1.1	100.1	34.4	11.6	19.1	3.6	4.3	0.3	0.6	434.8	33.4
Hector	—	—	96.8	14.8	2.0	1.5	64.6	22.2	19.4	31.9	3.9	4.7	6.1	13.8	203.3	15.6
Gallatin	5.1	15.0	37.9	5.8	41.7	31.3	25.3	8.7	—	—	6.1	7.4	3.0	6.8	114.0	8.8
B 1202 1/ Bowman	—	—	32.7	5.0	—	—	20.4	7.0	5.6	9.1	8.1	9.8	4.0	9.2	75.9	5.8
Pirolina	—	—	49.1	7.5	—	—	5.8	2.0	—	—	11.7	14.0	—	—	66.6	5.1
Haybet	4.7	13.9	2.0	0.3	7.6	5.7	13.1	4.5	0.7	1.1	17.5	21.0	14.1	32.3	60.5	4.7
Horsford	—	—	2.0	0.3	7.7	5.8	5.8	2.0	3.1	5.1	4.9	5.9	—	—	44.6	3.4
B 2601 1/ Westford	—	—	0.7	0.1	10.9	8.2	4.7	1.6	3.5	5.8	0.8	1.0	1.8	4.0	26.8	2.1
Lewis	5.1	15.1	13.7	2.1	—	—	9.3	3.2	—	—	—	—	—	—	22.4	1.7
Galena	—	—	0.7	0.1	2.1	1.6	11.3	3.9	1.0	1.7	1.9	2.3	—	—	23.0	1.8
Morex 1/ Clark	—	—	8.5	1.3	8.2	6.2	2.3	0.8	—	—	0.1	0.1	—	—	22.1	1.7
Stark	—	—	7.2	1.1	—	—	2.3	0.8	—	—	8.5	10.3	—	—	19.1	1.5
Moravian III 1/ Chinook 1/ Menuet	0.1	0.3	5.2	0.8	0.9	0.7	—	—	8.2	13.4	0.4	0.5	0.5	1.1	18.0	1.4
Unitan	7.5	22.2	4.6	0.7	1.1	0.8	3.2	1.1	1.8	2.9	3.8	4.6	—	—	15.2	1.2
Waxbar	—	—	—	—	8.2	6.2	—	—	—	—	—	—	2.2	4.9	14.5	1.1
Excel 1/ Klages 1/ Kimberly	—	—	9.8	1.5	—	—	—	—	—	—	1.3	1.6	—	—	10.4	0.8
Other & Unknown	1.0	2.9	5.9	0.9	—	—	4.1	1.4	0.1	0.1	1.5	1.8	—	—	11.1	0.9
State	34.0	100.0	654.0	100.0	133.0	100.0	291.0	100.0	61.0	100.0	83.0	100.0	44.0	100.0	1,300.0	100.0

1/ American Malting Barley Association, Inc. recommended for malting and brewing for Montana, 1997.

Montana Barley Varieties: Seeded Acreage and Percent of Total by Districts--1998

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%	Thous	%
Harrington 1/	0.5	1.7	476.6	61.9	6.6	5.3	99.6	36.9	15.8	22.6	3.7	4.1	--	--	602.8	43.1
Baronesse	8.2	27.2	77.8	10.1	4.6	3.7	56.7	21.0	10.4	14.8	4.3	4.8	1.4	3.1	163.4	11.7
Hector	0.3	0.9	23.9	3.1	35.0	28.0	19.7	7.3	1.5	2.2	8.5	9.4	4.9	10.9	93.8	6.7
B 1202 1/	--	--	55.4	7.2	--	--	4.0	1.5	0.4	0.6	8.7	9.7	--	--	68.5	4.9
Gallatin	2.6	8.8	11.6	1.5	1.0	0.8	18.9	7.0	3.7	5.3	18.7	20.8	5.8	12.8	62.3	4.4
Bowman	--	--	6.9	0.9	12.8	10.2	5.4	2.0	--	--	11.3	12.5	6.5	14.5	42.9	3.1
Haybet	2.3	7.6	4.6	0.6	12.1	9.7	4.0	1.5	1.6	2.3	2.5	2.8	13.9	30.9	41.0	2.9
Galena	--	--	31.6	4.1	--	--	--	--	0.5	0.7	6.9	7.7	--	--	39.0	2.8
Piroline	--	--	13.1	1.7	--	--	11.3	4.2	4.0	5.7	--	--	1.0	2.2	29.4	2.1
Lewis	--	--	15.4	2.0	8.8	7.0	1.1	0.4	1.0	1.4	0.4	0.4	3.0	6.7	29.7	2.1
Horsford	1.4	4.6	5.4	0.7	6.4	5.1	6.2	2.3	1.5	2.1	7.0	7.8	0.9	2.1	28.8	2.1
Chinook 1/	0.9	3.0	7.7	1.0	2.0	1.6	10.3	3.8	--	--	3.2	3.6	--	--	24.1	1.7
Morex 1/	--	--	4.6	0.6	--	--	4.9	1.8	10.1	14.4	--	--	0.8	1.8	20.4	1.5
Clark	0.1	0.2	3.1	0.4	1.4	1.1	7.3	2.7	--	--	3.0	3.3	--	--	14.9	1.1
Stark	--	--	--	--	12.0	9.6	--	--	--	--	--	--	0.4	0.9	12.4	0.9
B 2601 1/	--	--	12.3	1.6	--	--	--	--	--	--	--	--	--	--	12.3	0.9
Menuet	10.3	34.2	--	--	0.3	0.2	--	--	--	--	--	--	--	--	10.6	0.8
B Merit	--	--	3.9	0.5	--	--	--	--	--	--	--	--	--	--	3.9	0.3
Nebula	--	--	--	--	--	--	0.3	0.1	3.5	5.0	0.1	0.1	--	--	3.9	0.3
Moravian III	--	--	--	--	--	--	--	--	--	--	3.7	4.1	--	--	3.7	0.3
Unitan	--	--	--	--	--	--	0.5	0.2	0.3	0.4	--	--	2.6	5.8	3.4	0.2
Klages	--	--	0.8	0.1	1.9	1.5	--	--	--	--	--	--	--	--	2.7	0.2
Excel 1/	--	--	--	--	2.0	1.6	--	--	--	--	--	--	--	--	2.0	0.1
Larker	--	--	--	--	--	--	1.1	0.4	--	--	--	--	--	--	1.1	0.1
Other & Unknown	3.4	11.8	15.3	2.0	18.1	14.6	18.7	6.9	15.7	22.5	8.0	8.9	3.8	8.3	83.0	5.7
State	30.0	100.0	770.0	100.0	125.0	100.0	270.0	100.0	70.0	100.0	90.0	100.0	45.0	100.0	1,400.0	100.0

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